## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/000456

	CATION OF SUBJECT MATTER B01D53/22, 63/06, 69/12, C011	B3/38	
According to Inte	ernational Patent Classification (IPC) or to both nations	al classification and IPC	
B. FIELDS SE	ARCHED		
	nentation searched (classification system followed by cl B01D53/22, 63/06, 69/12, B01		
Jitsuvo	earched other than minimum documentation to the extension Koho 1922-1996 Ji tsuyo Shinan Koho 1971-2005 To	tsuvo Shinan Toroku Koho	e fields searched 1996-2005 1994-2005
	ase consulted during the international search (name of QUESTEL)	data base and, where practicable, search to	erms used)
C. DOCUMEN	ITS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.
Х	JP 2001-213611 A (NGK Insula 07 August, 2001 (07.08.01), Par. Nos. [0008] to [0012]; F (Family: none)	tors, Ltd.), Fig. 9	1-4,6
Y	Same as the above		7
Y	JP 2003-346859 A (Nissan Mot 05 December, 2003 (05.12.03), Par. No. [0045]; Fig. 13 (Family: none)		7
A	JP 2001-348205 A (Mitsubishi Ltd.), 18 December, 2001 (18.12.01), Par. Nos. [0012] to [0017]; F (Family: none)		5
× Further do	cuments are listed in the continuation of Box C.	See patent family annex.	<u> </u>
* Special categories of cited documents:  "A" document defining the general state of the art which is not considered to be of particular relevance  "E" earlier application or patent but published on or after the international filing date  "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  "O" document referring to an oral disclosure, use, exhibition or other means  "P" document published prior to the international filing date but later than the priority date claimed		"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention  "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone  "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art  document member of the same patent family	
Date of the actual completion of the international search 07 April, 2005 (07.04.05)		Date of mailing of the international search report 26 April, 2005 (26.04.05)	
Name and mailing address of the ISA/ Japanese Patent Office		Authorized officer	
Facsimile No.	0 (second sheet) (January 2004)	Telephone No.	

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Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
A	JP 06-321503 A (Tokyo Gas Co., Ltd.), 22 November, 1994 (22.11.94), Figs. 2, 5 (Family: none)	15
A	JP 2000-327302 A (Chonkuoshiyugufuunyu- shenkonshi), 28 November, 2000 (28.11.00), Claims; Figs. 3, 4 (Family: none)	5
P,X	JP 2005-058823 A (NGK Insulators, Ltd.), 10 March, 2005 (10.03.05), Claims; Figs. 1 to 4 (Family: none)	1,3,6
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